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APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 5299 862.C1942 09/604,739 06/28/2000 Masahiko Okunuki **EXAMINER** 5514 7590 10/10/2003 FITZPATRICK CELLA HARPER & SCINTO EL SHAMMAA, MARY A 30 ROCKEFELLER PLAZA PAPER NUMBER ART UNIT NEW YORK, NY 10112 2881

DATE MAILED: 10/10/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

	_			Ale
		Application No.	Applicant(s)	
1 m	Office Action Summary	09/604,739	OKUNUKI, MASAH	IIKO
**		Examiner	Art Unit	
• •		Mary A. El-Shammaa	2881	
Dorind (The MAILING DATE of this communication app	ears on the cover sheet w	vith the correspondence add	iress
A SH THE - Ext afte - If th - Fai - Any	HORTENED STATUTORY PERIOD FOR REPLY MAILING DATE OF THIS COMMUNICATION. ensions of time may be available under the provisions of 37 CFR 1.13 or SIX (6) MONTHS from the mailing date of this communication. en period for reply specified above is less than thirty (30) days, a reply opened for reply is specified above, the maximum statutory period volure to reply within the set or extended period for reply will, by statute, or reply received by the Office later than three months after the mailing med patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a within the statutory minimum of th will apply and will expire SIX (6) MC cause the application to become A	reply be timely filed irty (30) days will be considered timely NTHS from the mailing date of this co	mmunication.
1)[Responsive to communication(s) filed on 7-10	<u>0-03</u> .		
2a)	This action is FINAL . 2b) ☐ Th	is action is non-final.		
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.			
•	tion of Claims	<i>,</i>		
4)(\(\text{\text{L}}\)	Claim(s) <u>1-20</u> is/are pending in the application			
ενΩ	4a) Of the above claim(s) is/are withdray	wit from consideration.		
	Claim(s) <u>1-17</u> is/are allowed.			
6)⊠	•			
7)L	• • • •	r alaction requirement		
	tion Papers			
•	The specification is objected to by the Examine			
10)🛛	The drawing(s) filed on 28 June 2000 is/are: a)			
🖵	Applicant may not request that any objection to the			
11)	The proposed drawing correction filed on		disapproved by the Examine	∍ r.
40)	If approved, corrected drawings are required in rep			
,	The oath or declaration is objected to by the Ex	animer.		
•	under 35 U.S.C. §§ 119 and 120		£ 110(a) (d) ar (f)	
•	Acknowledgment is made of a claim for foreign	1 priority under 35 0.5.0	. § 119(a)-(u) or (r).	
а) All b) Some * c) None of:	a have been received		
	1. Certified copies of the priority document		Application No.	
	2. Certified copies of the priority document			Stage
*	3. Copies of the certified copies of the prio application from the International Bu See the attached detailed Office action for a list	reau (PCT Rule 17.2(a))		Stage
14)	Acknowledgment is made of a claim for domesti	ic priority under 35 U.S.C	C. § 119(e) (to a provisional	application).
	 a) The translation of the foreign language pro Acknowledgment is made of a claim for domest 			
Attachme			•	j
2) Not	tice of References Cited (PTO-892) tice of Draftsperson's Patent Drawing Review (PTO-948) ormation Disclosure Statement(s) (PTO-1449) Paper No(s) _	5) Notice	w Summary (PTO-413) Paper No(of Informal Patent Application (PTG	

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 18-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Ohnuma (6,144,760).

Regarding claims 18-20, Ohnuma discloses a charged-particle beam exposure apparatus for forming a pattern on a surface, said apparatus comprising a main body for irradiating a charged-particle beam to the surface based on data in a basic drawing region defined by the charged-particle beam exposure apparatus; and a controller for converting from data of a cell pattern as one unit of a periodic structure of design pattern data, which should be formed on the surface, into the data of the basic drawing region, based on a conversion parameter, wherein the controller cuts out some of the data of the cell pattern from the data of the whole cell pattern (Col. 1, Lines 51-54; Col. 2, Lines 4-6 and 21-50; Col. 3, Lines 1-4; Col. 4, Lines 52-55; Col. 5, Lines 46-55; Col. 6, Lines 34-38).

Allowable Subject Matter

Claims 1-17 are allowed.

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The following is an examiner's statement of reasons for allowance: Regarding claim 1, the prior art fails to teach or fairly suggest a charged-particle beam drawing data creation method comprising, in addition to other steps recited in the claim, the step of cutting out data from the cell pattern in accordance with information of the arrangement data, and creating data of the basic drawing region. Claims 2-7 are allowable by virtue of their dependency upon claim 1. Similarly, claim, 8, and 16 are allowable because the prior art fails to teach or fairly suggest a charged-particle beam exposure apparatus and a device manufacturing method comprising means for cutting out data from a cell pattern in accordance with information of the arrangement data, and creating data of the basic drawing region. Claims 9-15, and 17 are allowable by virtue of their dependency upon the independent claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee.

Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mary A. El-Shammaa whose telephone number is 703.308.0851. The examiner can normally be reached on M-F (8:30am-5:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John R. Lee can be reached on 703.308.4116. The fax phone numbers for the

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organization where this application or proceeding is assigned are 703.872.9318 for regular communications and 703.872.9319 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703.872.9317.

MAE October 1, 2003

> Supervisory patent examiner Technology center 2800